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**1**  Strategic directions in electronic commerce and digital libraries: towards a digital agora
Nabil Adam, Yelena Yesha
December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4

Full text available: 📄 pdf(244.34 KB)        Additional Information: full citation, references, citings, index terms

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**2**  Information access and retrieval: Multiple related document summary and navigation using c mobile clients
D. L. Chan, R. W. P. Luk, W. K. Mak, H. V. Leong, E. K. S. Ho, Q. Lu
March 2002

**4** Computing curricula 2001
September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB) html(2.78 KB)    Additional Information: full citation, references, citings, index terms

**5** Description and Analysis: Using web structure for classifying and describing web pages
Eric J. Glover, Kostas Tsioutsiouliklis, Steve Lawrence, David M. Pennock, Gary W. Flake
May 2002       **Proceedings of the eleventh international conference on World Wide Web**

Full text available: pdf(136.12 KB)       Additional Information: full citation, abstract, references, citings, ind

The structure of the web is increasingly being used to improve organization, search, and analysis o example, Google uses the text in citing documents (documents that link to the target document) fo relative utility of document text, and the text in citing documents near the citation, for classificatio show that the text in citing documents, when available, often has greater discriminative and descr

**Keywords:** SVM, anchortext, classification, cluster naming, entropy based feature extraction, eva structure

**6** Industry track papers: Mining product reputations on the Web
Satoshi Morinaga, Kenji Yamanishi, Kenji Tateishi, Toshikazu Fukushima
July 2002       **Proceedings of the eighth ACM SIGKDD international conference on Knowledg mining**
Full text available: pdf(813.37 KB)       Additional Information: full citation, abstract, references, citings, ind

Knowing the reputations of your own and/or competitors' products is important for marketing and management. It is, however, very costly to collect and analyze survey data manually. This paper p mining product reputations on the Internet. It automatically collects people's opinions about target and it uses text mining techniques to obtain the reputations of those products.On the basis of hum in a ...

**7** Opentag and TMX: XML in the localization industry
William Burns, Walter Smith
September 1998 **Proceedings of the 16th annual international conference on Computer docum**

Full text available: pdf(443.96 KB)       Additional Information: full citation, references, index terms

**8** Web page classification: Web site mining: a new way to spot competitors, customers and su web
Martin Ester, Hans-Peter Kriegel, Matthias Schubert
July 2002       **Proceedings of the eighth ACM SIGKDD international conference on Knowledg mining**
Full text available: pdf(953.25 KB)       Additional Information: full citation, abstract, references, citings, ind

When automatically extracting information from the world wide web, most established methods foc documents. However, the problem of spotting complete web sites is not handled adequately yet, in various applications. Therefore, this paper discusses the classification of complete web sites. First, differences to page classification by discussing a very intuitive approach and its weaknesses. This a a ...

**Keywords:** Markov classifiers, web content mining, web site classification, web site mining

**9** The design and applications of a context service
Hui Lei, Daby M. Sow, John S. Davis, Guruduth Banavar, Maria R. Ebling
October 2002   **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 6 Issue 4
Full text available: pdf(87.81 KB)                    Additional Information: full citation, abstract, references, citings, ind

Context awareness enables applications to adapt themselves to their computing environment in or
the user and the tasks. This paper describes a general middleware infrastructure for context collec
realized as a Context Service. By way of two example applications, this paper also illustrates how c
by our context service can be exploited to enhance the user experience. These two applications are

**10** Ubiquitous WWW: Profiles for the situated web
Lalitha Suryanarayana, Johan Hjelm
May 2002        **Proceedings of the eleventh international conference on World Wide Web**
Full text available: pdf(263.89 KB)                    Additional Information: full citation, abstract, references, index term

The World Wide Web is evolving into a medium that will soon make it possible for conceiving and i
services. A situation-aware or situated web application is one that renders the user with an experie
presentation) that is so tailored to his/her current situation. This requires the facts and opinions re
communicated to the server by means of a profile, which is then applied against the description of

**Keywords**: CC/PP, XML, profiles, situated-aware applications, vocabulary, web architecture

**11** Analyzing clickstreams using subsessions
Jesper Andersen, Anders Giversen, Allan H. Jensen, Rune S. Larsen, Torben Bach Pedersen, Janne Sk
November 2000 **Proceedings of the 3rd ACM international workshop on Data warehousing an**
Full text available: pdf(266.28 KB)                    Additional Information: full citation, references, citings

**12** Business-to-business interactions: issues and enabling technologies
B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid
May 2003        **The VLDB Journal — The International Journal on Very Large Data Bases**, Volum
Full text available: pdf(558.34 KB)                    Additional Information: full citation, abstract, citings, index terms

Business-to-Business (B2B) technologies pre-date the Web. They have existed for at least as long
applications were among the first to take advantage of advances in computer networking. The Elec
business standard is an illustration of such an early adoption of the advances in computer network
affordability of the Web has made it possible for the masses of businesses to automate their B2B in
issu ...

**Keywords**: B2B Interactions, Components, E-commerce, EDI, Web services, Workflows, XML

**13** Managing resources and services: Towards a cultural heritage digital library
Gregory Crane, Clifford Wulfman
May 2003        **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**
Full text available: pdf(800.99 KB)                    Additional Information: full citation, abstract, references, citings, ind

This paper surveys research areas relevant to cultural heritage digital libraries. The emerging Natio
promises to establish the foundation on which those of us beyond the scientific and engineering co
paper thus articulates the particular issues that we have encountered in developing cultural heritag
broad overview of audiences, collections, and services.

**14**
Efficient discovery of error-tolerant frequent itemsets in high dimensions

Cheng Yang, Usama Fayyad, Paul S. Bradley
August 2001    **Proceedings of the seventh ACM SIGKDD international conference on Knowled mining**

Full text available: pdf(1.11 MB)                    Additional Information: full citation, abstract, references, citings, ind

We present a generalization of frequent itemsets allowing for the notion of errors in the itemset de problem and present an efficient algorithm that identifies error-tolerant frequent clusters of items (customer-purchase data, web browsing data, text, etc.). The algorithm exploits sparseness of the groups of items that are correlated over database records (rows). The notion of transaction covera

**Keywords**: Error-tolerant frequent itemset, clustering, collaborative filtering, high dimensions, qu

**15** Report on second international workshop on advanced issues of E-commerce and Web-bas
Kun-Lung Wu, Philip S. Yu
September 2000 **ACM SIGMOD Record**, Volume 29 Issue 3

Full text available: pdf(97.83 KB)                    Additional Information: full citation, abstract, index terms

*The Second International Workshop on Advanced Issues of E-Commerce and Web-Based Informat* was held at the Crowne Plaza San Jose/Silicon Valley in Milpitas, California on June 8-9, 2000. The to bring together leading practitioners, developers and researchers to explore the challenging tech solutions for advancing the current state of the art in e-commerce and web-based information syst

**16** Unchained value: the new logic of digital business
Mary J. Cronin
February 2001 **Ubiquity**, Volume 1 Issue 46

Full text available: html(56.83 KB)                    Additional Information: full citation, index terms

**17** Automated techniques for managing collections: Managing distributed collections: evaluatinç movement, and replacement
Zubin Dalal, Suvendu Dash, Pratik Dave, Luis Francisco-Revilla, Richard Furuta, Unmil Karadkar, Fran
June 2004    **Proceedings of the 4th ACM/IEEE-CS joint conference on Digital libraries**

Full text available: pdf(329.43 KB)                    Additional Information: full citation, abstract, references, citings, ind

Distributed collections of Web materials are common. Bookmark lists, paths, and catalogs such as human maintenance to keep up to date with changes to the underlying documents. The Walden's P to support the maintenance of distributed collections. Earlier efforts focused on recognizing the typ within Web pages and identifying pages no longer accessible. We now extend this work with algori changes ...

**Keywords**: change detection, collection management, document location

**18** Web mining for web personalization
Magdalini Eirinaki, Michalis Vazirgiannis
February 2003 **ACM Transactions on Internet Technology (TOIT)**, Volume 3 Issue 1

Full text available: pdf(293.73 KB)                    Additional Information: full citation, abstract, references, citings, ind

Web personalization is the process of customizing a Web site to the needs of specific users, taking acquired from the analysis of the user's navigational behavior (usage data) in correlation with othe Web context, namely, structure, content, and user profile data. Due to the explosive growth of the personalization has gained great momentum both in the research and commercial areas. In this ar

**Keywords**: WWW, Web personalization, Web usage mining, user profiling

**19** Copyrights and access-rights: Content and expression-based copy recognition for intellectue
Özlem Uzuner, Randall Davis
October 2003   **Proceedings of the 2003 ACM workshop on Digital rights management**

Full text available: pdf(282.83 KB)                    Additional Information: full citation, abstract, references, index term

Protection of copyrights and revenues of content owners in the digital world has been gaining impo
This paper presents a way of fingerprinting text documents that can be used to identify content an
documents, as a way of facilitating tracking of digital copies of works, to ensure proper compensat
fingerprints we collected consist of surface, syntactic, and semantic features of documents. Becaus

**Keywords:** content and expression based copy recognition, copy recognition, distribution volume
tagged features, semantic features, surface parsing, syntactic parsing

**20** Research sessions: clustering: Clustering objects on a spatial network
Man Lung Yiu, Nikos Mamoulis
June 2004      **Proceedings of the 2004 ACM SIGMOD international conference on Manageme**

Full text available: pdf(867.67 KB)                    Additional Information: full citation, abstract, references

Clustering is one of the most important analysis tasks in spatial databases. We study the problem
on edges of a large weighted spatial network. The distance between two objects is defined by their
the network. Past algorithms are based on the Euclidean distance and cannot be applied for this se
partitioning, density-based, and hierarchical methods. Their effectiveness and efficiency is evaluate

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**21** Selecting the best web service
Julian Day, Ralph Deters
October 2004   **Proceedings of the 2004 conference of the Centre for Advanced Studies on Co**

Full text available: 📄 pdf(267.38 KB)          Additional Information: full citation, abstract, references, index term

> Web services are applications that communicate over open protocols such as HTTP using structure
> Simple Object Access Protocol (SOAP) or Remote Procedure Calls for XML (XML-RPC). The success
> based on the continuous development of standards that ensure interoperability. Among the many
> widely accepted are: the Web Service Description Language (WSDL), used for describing web serv
> Universal Descriptio ...

**22** Internet data management (IDM): Text mining agent for net auction
Yukitaka Kusumura, Yoshinori Hijikata, Shogo Nishida
March 2004   **Proceedings of the 2004 ACM symposium on Applied computing**

Full text available: 📄 pdf(903.41 KB)          Additional Information: full citation, abstract, references

> Net auctions have been widely utilized with the recent development of the Internet. However, it is
> many items for bidders to select the most suitable one. We aim at supporting the bidders on net a
> generating a table which contains the features of several items for comparison. We construct a sys
> auction Text Mining Agent). The system collects Web pages of items and extracts the items' featur
> ...

> **Keywords:** information extraction, net auction, text mining

**23** Managing multiple and distributed ontologies on the Semantic Web
A. Maedche, B. Motik, L. Stojanovic
November 2003 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volu

Full text available: 📄 pdf(375.18 KB)          Additional Information: full citation, abstract, citings, index terms

> In traditional software systems, significant attention is devoted to keeping modules well separated
> functionality, thus ensuring that changes in the system are localized to a handful of modules. Reus
> in reaching that goal. Ontology-based systems on the Semantic Web are just a special class of soft
> principles apply. In this article, we present an integrated framework for managing multiple and dis

> **Keywords:** Multiple and distributed ontologies, Ontology evolution

**24** <u>Risks to the public in computers and related systems</u>
July 1997 **ACM SIGSOFT Software Engineering Notes**, Volume 22 Issue 4

Full text available: <u>pdf(946.41 KB)</u>     Additional Information: <u>full citation</u>, <u>index terms</u>

**25** <u>iMobile EE: an enterprise mobile service platform</u>
Yih-Farn Chen, Huale Huang, Rittwik Jana, Trevor Jim, Matti Hiltunen, Sam John, Serban Jora, Radha Bin Wei
July 2003      **Wireless Networks**, Volume 9 Issue 4

Full text available: <u>pdf(2.90 MB)</u>     Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

iMobile[1] is an enterprise mobile service platform that allows resource-limited mobile devices to com and to securely access corporate contents and services. The original iMobile architecture consists o interfaces to different mobile devices and infolets that access and transcode information based on Enterprise Edition (iMobile EE) is a redesign of the original iMobile architecture to address the secu

**Keywords**: content transcoding, middleware, mobile devices, mobile enterprise, mobile multimed

**26** <u>Going wireless, enabling an adaptive and extensible environment</u>
Theo G. Kanter
February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1

Full text available: <u>pdf(483.21 KB)</u>     Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

This paper discusses limitations in existing and projected solutions for delivering applications to mo increasingly diverse heterogeneous wireless infrastructure in combination with the on-going deregu communication and with an increasing number of more narrowly defined roles of parties participat applications to mobile users. Furthermore, for future service growth, users need to be the center o applications t ...

**Keywords**: agents, context, scalability, service, wireless

**27** <u>Clustering intrusion detection alarms to support root cause analysis</u>
Klaus Julisch
November 2003 **ACM Transactions on Information and System Security (TISSEC)**, Volume 6 Issue

Full text available: <u>pdf(285.72 KB)</u>     Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

It is a well-known problem that intrusion detection systems overload their human operators by trig per day. This paper presents a new approach for handling intrusion detection alarms more efficient the notion that each alarm occurs for a reason, which is referred to as the alarm's *root causes*. Thi dozens of rather persistent root causes generally account for over 90&percnt; of the alarms that a

**Keywords**: Intrusion detection, cluster analysis, data mining, false positives, root cause analysis

**28** <u>Establishing the semantic web 11: An infrastructure for searching, reusing and evolving distr</u>
A. Maedche, B. Motik, L. Stojanovic, R. Studer, R. Volz
May 2003      **Proceedings of the twelfth international conference on World Wide Web**

Full text available: <u>pdf(694.79 KB)</u>     Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

The vision of the Semantic Web can only be realized through proliferation of well-known ontologies To enable interoperability in the Semantic Web, it will be necessary to break these ontologies down units that may be reused. Currently, three problems arise in that scenario. Firstly, it is difficult to l

thus leading to many ontologies modeling the same thing. Secondly, current tools do not provide m

**Keywords**: ontology evolution, ontology registry, ontology reuse

**29** Innovation, management & strategy: Virtual web services: application of software agents to services

Jarogniew Rykowski, Wojciech Cellary
March 2004     **Proceedings of the 6th international conference on Electronic commerce**

Full text available: pdf(292.99 KB)          Additional Information: full citation, abstract, references

In this paper we propose an application of software agents to provide *Virtual Web Services*. A *Virtu* linked collection of several real and/or virtual Web Services, and public and private agents, access way as a single real Web Service. A Virtual Web Service allows unrestricted comparison, informatio data coming from different sources and in different forms. *Web Services* are accessed according to

**Keywords**: customization, personalization, software agents, web services

**30** PODS invited talk: Models and issues in data stream systems

Brian Babcock, Shivnath Babu, Mayur Datar, Rajeev Motwani, Jennifer Widom
June 2002     **Proceedings of the twenty-first ACM SIGMOD-SIGACT-SIGART symposium on systems**

Full text available: pdf(257.79 KB)          Additional Information: full citation, abstract, references, citings, ind

In this overview paper we motivate the need for and research issues arising from a new model of d model, data does not take the form of persistent relations, but rather arrives in multiple, continuou *streams.* In addition to reviewing past work relevant to data stream systems and current projects explores topics in stream query languages, new requirements and challenges in query processing,

**31** World Wide Web: Using navigation data to improve IR functions in the context of web search

Mark H. Hansen, Elizabeth Shriver
October 2001     **Proceedings of the tenth international conference on Information and knowle**

Full text available: pdf(2.39 MB)          Additional Information: full citation, abstract, references, citings, ind

As part of the process of delivering content, devices like proxies and gateways log valuable inform navigation patterns of users on the Web. In this study, we consider how this navigation data can b search. A query posted to a search engine together with the set of pages accessed during a search *session*. We develop a mixture model for the observed set of search sessions, and propose variant

**Keywords**: expectation-maximization algorithm, model-based clustering, proxy access logs, query

**32** Application of intelligent agent technology for managerial data analysis and mining

Ranjit Bose, Vijayan Sugumaran
January 1999   **ACM SIGMIS Database**, Volume 30 Issue 1

Full text available: pdf(1.96 MB)          Additional Information: full citation, abstract, index terms

Data analysis and mining technologies help bring business intelligence into organizational decision a myriad of data analysis and mining technologies are commercially available today, organizations between powerful storage (data warehouse) systems and the business users' ability to analyze and information they contain. We contend that to narrow this gap effectively, a data analysis and minin that ...

**Keywords**: agent-based design, data mining, data warehouse, decision support systems, intellige analysis, prototype implementation, statistical analysis, visualization

**33** <u>Mobile services and technology track: Post Disney experience paradigm?: some implications content to mobile tourist services</u>
Lars Bojen Nielsen
March 2004     **Proceedings of the 6th international conference on Electronic commerce**
Full text available: 📄 <u>pdf(426.59 KB)</u>                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

This paper presents and discusses a conceptual framework for a location based mobile ICT system issues presented originates from ideas and intentions in a specific Danish tourism project *"Mobile D development of content and software for a mobile tourism device"*.The article outlines *how mobile the tourism experience and to the visitor destinations* in the proposed project. Some implications f

**Keywords**: experience design, mobile content, mobile tourism service, qualitative tourism studies


**34** <u>Mining a stream of transactions for customer patterns</u>
Diane Lambert, José C. Pinheiro
August 2001     **Proceedings of the seventh ACM SIGKDD international conference on Knowled mining**
Full text available: 📄 <u>pdf(532.89 KB)</u>                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

Transaction data can arrive at a ferocious rate in the order that transactions are completed. The da amount of information about *customers*, not just transactions, but extracting up-to-date customer changing stream of data and mining it in real-time is a challenge. This paper describes a statistical designing short, accurate summaries or *signatures* of high dimensional customer behavior that can

**Keywords**: Approximate queries, customer profiles, dynamic database, histograms, incremental u signatures


**35** <u>Privacy through pseudonymity in user-adaptive systems</u>
Alfred Kobsa, Jörg Schreck
May 2003     **ACM Transactions on Internet Technology (TOIT)**, Volume 3 Issue 2
Full text available: 📄 <u>pdf(881.69 KB)</u>                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

User-adaptive applications cater to the needs of each individual computer user, taking for example expertise, preferences, perceptual and motoric abilities, and the usage environment into account. collect and process the information about users that different user-adaptive systems require to per interaction.Adaptive systems are generally better able to cater to users the more data their user m and ...

**Keywords**: Chaum mix, KQML, User modeling, access control, anonymity, encryption, personal in privacy, pseudonymity, reference model, secrecy, security, user-adaptive systems


**36** <u>7a---Capturing Meaning: Hypertext and knowledge management</u>
Francisco J. Ricardo
September 2001 **Proceedings of the twelfth ACM conference on Hypertext and Hypermedia**
Full text available: 📄 <u>pdf(127.29 KB)</u>                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

This paper is a functional survey of knowledge management systems and characteristics from the and relevance of hypertext to this discipline. There is the description of a typical KM architecture a KM and KM-like systems deployed in production at large corporations. This discussion will introduc then emphasize the role of hypertext systems in tackling problems in processing distributed and co

**Keywords**: hypertext, representation, rhetoric

**37** Industry track: Design of a data warehouse system for network/web services
Anoop Singhal
November 2004 **Proceedings of the Thirteenth ACM conference on Information and knowledg**

Full text available: 📄 pdf(238.23 KB)               Additional Information: <u>full citation, abstract, references, index term</u>

This paper describes the architecture and design of a data warehouse for AT&T Business Services.
system is to generate reports about the performance and reliability of the network. We describe th
and discuss some open research problems in this area.

**Keywords**: computer networks, data mining, data warehouse

**38** Papers from Hotnets-II: The cutting EDGE of IP router configuration
Don Caldwell, Anna Gilbert, Joel Gottlieb, Albert Greenberg, Gisli Hjalmtysson, Jennifer Rexford
January 2004 **ACM SIGCOMM Computer Communication Review**, Volume 34 Issue 1

Full text available: 📄 pdf(199.41 KB)               Additional Information: <u>full citation, abstract, references</u>

Human error in configuring routers undermines attempts to provide reliable, predictable end-to-en
networks. Manual configuration, while expensive and error-prone, is the dominant mode of operati
enterprise networks. These networks often lack the basic building blocks---an accurate equipment
configuration, and a specification of local configuration policies---to support the holy grail of autom
*migrating ...*

**39** mPERSONA: personalized portals for the wireless user: An agent approach
Christoforos Panayiotou, George Samaras
December 2004 **Mobile Networks and Applications**, Volume 9 Issue 6

Full text available: 📄 pdf(1.30 MB)               Additional Information: <u>full citation, abstract, references, index term</u>

The needs of the wireless and mobile user regarding information access and services are quite diff
desktop user. This need is not about browsing the Web but about receiving personalized services t
immediate environment and requirements of the user. Personalization appears to be the most app
It comes into aid by creating personalized portals that are specific for the wireless user, which (a)

**Keywords**: mobile agents, mobile computing, personalization, pervasive computing, wireless port

**40** A secure infrastructure for service discovery and access in pervasive computing
Jeffrey Undercoffer, Filip Perich, Andrej Cedilnik, Lalana Kagal, Anupam Joshi
April 2003 **Mobile Networks and Applications**, Volume 8 Issue 2

Full text available: 📄 pdf(308.34 KB)               Additional Information: <u>full citation, abstract, references, citings, ind</u>

Security is paramount to the success of pervasive computing environments. The system presented
communications and security infrastructure that goes far in advancing the goal of anywhere-anytim
securely enables clients to access and utilize services in heterogeneous networks. We provide a se
discovery mechanism implemented through a hierarchy of service management. The system is bui
Infrastructure t ...

**Keywords**: distributed services, extensible markup language, pervasive computing, security, sma

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**41** Building the data warehouse
Stephen R. Gardner
September 1998 **Communications of the ACM**, Volume 41 Issue 9

Full text available: 📄 pdf(293.88 KB)                    Additional Information: full citation, citings, index terms, review

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**42** CORBA and the WWW
Henry Balen
January 1997   **Addendum to the 1997 ACM SIGPLAN conference on Object-oriented program
            and applications (Addendum)**

Full text available: 📄 pdf(498.82 KB)                    Additional Information: full citation, index terms

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**43** Ubicomp at home and on the move: Privacy risk models for designing privacy-sensitive ubiq
Jason I. Hong, Jennifer D. Ng, Scott Lederer, James A. Landay
August 2004    **Proceedings of the 2004 conference on Designing interactive systems: proces
            and techniques**

Full text available: 📄 pdf(176.06 KB)                    Additional Information: full citation, abstract, references, index term

Privacy is a difficult design issue that is becoming increasingly important as we push into ubiquitou
While there is a fair amount of theoretical work on designing for privacy, there are few practical m
create applications that provide end-users with a *reasonable* level of privacy protection that is com
with the community of users, and with the risks and benefits to all stakeholders in the intended sy

**Keywords:** privacy, privacy risk model, ubiquitous computing

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**44** New directions in traffic measurement and accounting: Focusing on the elephants, ignoring t
Cristian Estan, George Varghese
August 2003    **ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 3

Full text available: 📄 pdf(1.03 MB)                    Additional Information: full citation, abstract, references, citings, ind

Accurate network traffic measurement is required for accounting, bandwidth provisioning and dete
applications see the traffic as a collection of flows they need to measure. As link speeds and the nu
keeping a counter for each flow is too expensive (using SRAM) or slow (using DRAM). The current
(Cisco's sampled NetFlow), which count periodically sampled packets are slow, inaccurate and reso

showed ...

**Keywords**: Network traffic measurement, identifying large flows, on-line algorithms, scalability, u

## 45 Web and e-business application: Application run time estimation: a quality of service metric 1 services
Shonali Krishnaswamy, Seng Wai Loke, Arkady Zaslavsky
March 2002    **Proceedings of the 2002 ACM symposium on Applied computing**

Full text available: pdf(685.04 KB)                   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

The emergence of Application Service Providers (ASP) hosting Internet-based data mining services alternative for organisations that value their knowledge resources but are constrained by the high Response time is an important Quality of Service (QoS) metric for web-based data mining service estimate the response time of data mining algorithms apriori benefits both clients and service prov

**Keywords**: application run time estimation, data mining e-services, quality of service, rough sets

## 46 Technical Papers: SEAL: a framework for developing SEmantic PortALs
Nenad Stojanovic, Alexander Maedche, Steffen Staab, Rudi Studer, York Sure
October 2001    **Proceedings of the international conference on Knowledge capture**

Full text available: pdf(497.57 KB)                   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

The core idea of the Semantic Web is to make information accessible to human and software agen Web sites may feed directly from the Semantic Web exploiting the underlying structures for human have developed a domain-independent approach for developing semantic portals, viz. SEAL (SEma semantics for providing and accessing information at a portal as well as constructing and maintain we foc ...

**Keywords**: knowledge portal, ontology, semantic web

## 47 Surfing the net for software engineering notes: Surfing the net for software engineering note:
Mark Doernhoefer
May 2002    **ACM SIGSOFT Software Engineering Notes**, Volume 27 Issue 3

Full text available: pdf(2.81 MB)          Additional Information: <u>full citation</u>

## 48 Technical Papers: Ontology-based metadata generation from semi-structured information
Heiner Stuckenschmidt, Frank van Harmelen
October 2001    **Proceedings of the international conference on Knowledge capture**

Full text available: pdf(655.80 KB)                   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

Content-related metadata plays an important role in intelligent information systems. Especially on meaningful metadata describing the contents of a web-site is the key to intelligent retrieval and ac description standards like RDF and RDF schema have been developed and work in progress addres provide a logical foundation for metadata. However, the acquisition of appropriate metadata is still t ...

## 49 Network sensitivity to hot-potato disruptions
Renata Teixeira, Aman Shaikh, Tim Griffin, Geoffrey M. Voelker
August 2004    **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 co**

**technologies, architectures, and protocols for computer communications**, Volum

Full text available: [pdf(301.33 KB)](#)                 Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

*Hot-potato routing* is a mechanism employed when there are multiple (equally good) interdomain destination. In this scenario, the Border Gateway Protocol (BGP) selects the interdomain route ass egress point based upon intradomain path costs. Consequently, intradomain routing changes can i and cause abrupt swings of external routes, which we call *hot-potato disruptions*. Recent work has

**Keywords**: BGP, IGP, OSPF, hot-potato routing, network robustness, sensitivity analysis

**50** Research in databases and data-intensive applications: Computer Science Dept. and FIZ, U
Brigitta König-Ries, Peter C. Lockermann
September 1997 **ACM SIGMOD Record**, Volume 26 Issue 3

Full text available: [pdf(683.57 KB)](#)                 Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

The future world of computing will be governed by large networks of communicating and interactin geographic mobility, temporary attachment to networks, the disintegration of formerly monolithic into autonomously acting units, the substitution of cooperation regimes for centralized control, and of ever more ambitious applications. In such a world the methods, techniques and tools of databas

**51** LinkSelector: A Web mining approach to hyperlink selection for Web portals
Xiao Fang, Olivia R. Liu Sheng
May 2004        **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 2

Full text available: [pdf(2.10 MB)](#)                 Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

As the size and complexity of Web sites expands dramatically, it has become increasingly challeng Web surfers can easily find the information they seek. In this article, we address the design of the which serves as the homepage of a Web site or a default Web portal. We define an important resea selection: selecting from a large set of hyperlinks in a given Web site, a limited number of hyperlin

**Keywords**: Web mining

**52** Survey articles: Web usage mining: discovery and applications of usage patterns from Web ·
Jaideep Srivastava, Robert Cooley, Mukund Deshpande, Pang-Ning Tan
January 2000  **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 2

Full text available: [pdf(1.44 MB)](#)                 Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>

Web usage mining is the application of data mining techniques to discover usage patterns from We understand and better serve the needs of Web-based applications. Web usage mining consists of t *preprocessing, pattern discovery*, and *pattern analysis*. This paper describes each of these phases potential, Web usage mining has seen a rapid increase in interest, from both the research and prac

**Keywords**: data mining, web usage mining, world wide web

**53** Information gathering in the World-Wide Web: the W3QL query language and the W3QS sys
David Konopnicki, Oded Shmueli
December 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 4

Full text available: [pdf(1.36 MB)](#)                 Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

The World Wide Web (WWW) is a fast growing global information resource. It contains an enormou provides access to a variety of services. Since there is no central control and very few standards o service offering, searching for information and services is a widely recognized problem. To some d

by "search services," also known as "indexers," such as Lycos, AltaVista, Yahoo, and others. ...

**Keywords:** CGI, FORMS, HTML, HTTP, PERL, World-Wide Web, query language, query system

**54** Surveys: Continuous queries over data streams
Shivnath Babu, Jennifer Widom
September 2001 **ACM SIGMOD Record**, Volume 30 Issue 3

Full text available: 📄 pdf(1.22 MB)                    Additional Information: full citation, abstract, references, citings, ind

In many recent applications, data may take the form of continuous *data streams,* rather than finite aspects of data management need to be reconsidered in the presence of data streams, offering a n database community. In this paper we focus primarily on the problem of query processing, specific evaluate *continuous queries* over data streams. We address semantic issues as well as efficiency c

**55** Monitoring data streams: Adaptive filters for continuous queries over distributed data stream
Chris Olston, Jing Jiang, Jennifer Widom
June 2003       **Proceedings of the 2003 ACM SIGMOD international conference on Manageme**

Full text available: 📄 pdf(244.11 KB)                    Additional Information: full citation, abstract, references, citings, ind

We consider an environment where distributed data sources continuously stream updates to a cen monitors continuous queries over the distributed data. Significant communication overhead is incu update streams, and we propose a new technique for reducing the overhead. Users register contin requirements at the central stream processor, which installs filters at remote data sources. The filt condition ...

**56** Discovering Internet marketing intelligence through online analytical web usage mining
Alex G. Büchner, Maurice D. Mulvenna
December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4

Full text available: 📄 pdf(772.06 KB)                    Additional Information: full citation, abstract, citings, index terms

This article describes a novel way of combining data mining techniques on Internet data in order to marketing intelligence in electronic commerce scenarios. The data that is considered not only cove web meta information, but also marketing data and knowledge. Furthermore, heterogeneity resolu electronic commerce-specific pre-processing activities are embedded. A generic web log data hype

**57** Session 1C: trust and reputation: Robustness of reputation-based trust: boolean case
Sandip Sen, Neelima Sajja
July 2002       **Proceedings of the first international joint conference on Autonomous agents part 1**

Full text available: 📄 pdf(134.85 KB)                    Additional Information: full citation, abstract, references, citings, ind

We consider the problem of user agents selecting processor agents to processor tasks. We assume drawn from two populations: high and low-performing processors with different averages but simil For selecting a processor, a user agent queries other user agents for their high/low rating of differe that a known percentage of "liar" users, who give inverse estimates of processors. We develop a tr determines ...

**Keywords:** control & norms, reputation and trust, social order, task allocation

**58** Session 1: creative mathematics: Secure multi-party computation problems and their applica problems
Wenliang Du, Mikhail J. Atallah
September 2001 **Proceedings of the 2001 workshop on New security paradigms**

Full text available: pdf(909.09 KB)          Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

The growth of the Internet has triggered tremendous opportunities for cooperative computation, w
conducting computation tasks based on the private inputs they each supplies. These computations
mutually untrusted parties, or even between competitors. For example, customers might send to a
that contain private information; two competing financial organizations might jointly invest in a pro
organizations' ...

**Keywords**: privacy, secure multi-party computation

**59** <u>Innovation, management & strategy: A web-based consumer-oriented intelligent decision su</u>
<u>personalized e-services</u>
Chien-Chih Yu
March 2004      **Proceedings of the 6th international conference on Electronic commerce**

Full text available: pdf(479.14 KB)          Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

Due to the rapid advancement of electronic commerce and web technologies in recent years, the c
decision support systems have been significantly extended. One quickly emerging research topic is
decision support system that provides functional supports to consumers for efficiently and effective
decisions. In this paper we present an integrated framework for developing web-based consumer-
support sy ...

**Keywords**: decision making process, e-services, intelligent decision support system, personalizati

**60** <u>Consumer perceptions of privacy, security and trust in ubiquitous commerce</u>
George Roussos, Theano Moussouri
November 2004 **Personal and Ubiquitous Computing**, Volume 8 Issue 6

Full text available: pdf(378.27 KB)          Additional Information: <u>full citation</u>, <u>abstract</u>

Commerce is a rapidly emerging application area of ubiquitous computing. In this paper, we discus
make the deployment of ubiquitous commerce infrastructures a priority for grocery retailing. We th
study on consumer perceptions of MyGrocer, a recently developed ubiquitous commerce system. T
is on aspects of security, privacy protection and the development of trust; we report on the finding
th ...

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**61** **Reputation networks: A community-aware search engine**
Rodrigo B. Almeida, Virgilio A. F. Almeida
May 2004      **Proceedings of the 13th international conference on World Wide Web**

Full text available: 📄 **pdf(156.19 KB)**          Additional Information: **full citation**, **abstract**, **references**, **index term**

> Current search technologies work in a "one size fits all" fashion. Therefore, the answer to a query i information need. In this paper we describe a novel ranking technique for personalized search serv based and community-based evidences. The community-based information is used in order to prov influenced by the current interaction of the user with the service. Ouralgorithm is evaluated using

> **Keywords:** data mining, searching and ranking

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**62** **Support for location: An architecture for privacy-sensitive ubiquitous computing**
Jason I. Hong, James A. Landay
June 2004      **Proceedings of the 2nd international conference on Mobile systems, applicatio**

Full text available: 📄 **pdf(658.54 KB)**          Additional Information: **full citation**, **abstract**, **references**, **citings**, **ind**

> Privacy is the most often-cited criticism of ubiquitous computing, and may be the greatest barrier However, developers currently have little support in designing software architectures and in creatin effective in helping end-users manage their privacy. To address this problem, we present Confab, development of privacy-sensitive ubiquitous computing applications. The requirements for Confab an ...

> **Keywords:** confab, location, privacy, toolkit, ubiquitous computing

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**63** **Dealing with slow-evolving fact: a case study on inventory data warehousing**
Chung-Min Chen, Munir Cochinwala, Elsa Yueh
November 1999 **Proceedings of the 2nd ACM international workshop on Data warehousing an**

Full text available: 📄 **pdf(941.25 KB)**          Additional Information: **full citation**, **abstract**, **references**, **index term**

> Data Warehousing for INventory management (DWIN) is a production project at Telcordia aimed a telecommunications service providers with decision support functions for inventory control and mo report some interesting issues related to the design of the data warehouse. Specifically, we will dis evolving fact, transaction-oriented fact table, and large dimensions. We also propose the concept o

**64** Session 5B: mobile software agents: Just-in-time information sharing architectures in multia(

Jonathan Carter, Ali A. Ghorbani, Stephen Marsh

July 2002        **Proceedings of the first international joint conference on Autonomous agents part 2**

Full text available: pdf(472.67 KB)        Additional Information: full citation, abstract, references, index term

ACORN (Agent-based Community Oriented Routing Network) is a distributed multi-agent architectu and management of information across networks. ACORN utilises the concept of 'information as ag application of Stanley Milgram's Small World Problem (the idea of the Six Degrees of Separation) i items of information around a network of people and agents. This paper describes additions made and the i ...

**Keywords:** autonomous agents, café clustering, community based information handling, fat/thin a mobile agents, multi-agent architecture

**65** A survey of routing techniques for mobile communications networks

S. Ramanathan, Martha Steenstrup

October 1996   **Mobile Networks and Applications**, Volume 1 Issue 2

Full text available: pdf(276.88 KB)        Additional Information: full citation, abstract, references, citings, ind

Mobile wireless networks pose interesting challenges for routing system design. To produce feasibl network, a routing system must be able to accommodate roving users, changing network topology We discuss the impact of node mobility and wireless communication on routing system design, and techniques employed in or proposed for routing in mobile wireless networks.

**66** Efficiency vs. portability in cluster-based network servers

Enrique V. Carrera, Ricardo Bianchini

June 2001        **ACM SIGPLAN Notices , Proceedings of the eighth ACM SIGPLAN symposium o of parallel programming**, Volume 36 Issue 7

Full text available: pdf(230.84 KB)        Additional Information: full citation, abstract, references, citings, ind

Efficiency and portability are conflicting objectives for cluster-based network servers that distribute the cluster based on the actual content requested. Our work is based on the observation that this tradeoff has not been fully evaluated in the literature. To fill this gap, in this paper we use modelin study this tradeoff in the context of an interesting class of content-based network servers, the loca

**67** Service discovery in agent-based pervasive computing environments

Olga Ratsimor, Dipanjan Chakraborty, Anupam Joshi, Timothy Finin, Yelena Yesha

December 2004 **Mobile Networks and Applications**, Volume 9 Issue 6

Full text available: pdf(443.01 KB)        Additional Information: full citation, abstract, references, index term

Directory based service discovery mechanisms are unsuitable for ad-hoc m-commerce environmen an alternate mechanism, we developed Allia: a peer-to-peer caching based and policy-driven agen that facilitates cross-platform service discovery in ad-hoc environments. Our approach achieves a adapting itself to changes in ad-hoc environments and is devoid of common problems associated w forma ...

**Keywords:** advertising, agents, caching, device preferences, device profiles, mobile service discov

**68** User modeling II: Magpie: supporting browsing and navigation on the semantic web

John Domingue, Martin Dzbor

January 2004   **Proceedings of the 9th international conference on Intelligent user interface**

Full text available: pdf(611.44 KB)        Additional Information: full citation, abstract, references, index term

We describe several advanced functionalities of Magpie -- a tool that assists users with interpreting an extension to the Internet Explorer that automatically creates a semantic layer for web pages us Semantic layers are annotations of a web page, with a set of applicable semantic services attached argue that the ability to generate different semantic layers for a web resource is vital to support th

**Keywords:** browsing history management, named entity recognition, semantic web, semantic we

**69** Modeling methodology b: XML-based modeling and simulation: web service technologies an simulation
Senthilanand Chandrasekaran, Gregory Silver, John A. Miller, Jorge Cardoso, Amit P. Sheth
December 2002 **Proceedings of the 34th conference on Winter simulation: exploring new fron**

Full text available: pdf(186.90 KB)    Additional Information: full citation, abstract, references

The World Wide Web has had an huge influence on the computing field in general as well as simula (<i>e.g.</i>, Web-Based Simulation). A new wave of development based upon XML has started. T aspects of this development are the Semantic Web and Web Services. This paper examines the syn technology and simulation. In one direction, Web service processes can be simulated for the purpo the design. ...

**70** Articles: Mobile databases: a selection of open issues and research directions
Guy Bernard, Jalel Ben-othman, Luc Bouganim, Gérôme Canals, Sophie Chabridon, Bruno Defude, Je Gançarski, Rachid Guerraoui, Pascal Molli, Philippe Pucheral, Claudia Roncancio, Patricia Serrano-Alva
June 2004     **ACM SIGMOD Record**, Volume 33 Issue 2

Full text available: pdf(1.46 MB)    Additional Information: full citation, abstract, references

This paper reports on the main results of a specific action on mobile databases conducted by CNRS to December 2002. The objective of this action was to review the state of progress in mobile datab research directions for the French database community. Rather than provide a survey of all import databases, this paper gives an outline of the directions in which the action participants are now en synchronizatio ...

**71** A Self Manageable Infrastructure for Supporting Web-based Simulations
Yingping Huang, Xiaorong Xiang, Gregory Madey
April 2004     **Proceedings of the 37th annual symposium on Simulation**

Full text available: pdf(574.08 KB)    Additional Information: full citation, abstract

In this paper, we describe the design and implementationof a self-manageable multi-tiered infrastr scientific simulations. This infrastructuredemonstrates not only the successful integration ofWeb se database servers, reportsservers, data warehousing and mining, but also the abilityto achieve self configuring, self-healing,self-protecting and self-optimizing. A scientificsimulation program, NOMSI MatterSimu ...

**72** Routing and forwarding: Manycast: exploring the space between anycast and multicast in ac
Casey Carter, Seung Yi, Prashant Ratanchandani, Robin Kravets
September 2003 **Proceedings of the 9th annual international conference on Mobile computing**

Full text available: pdf(170.59 KB)    Additional Information: full citation, abstract, references, citings, ind

The characteristics of ad hoc networks naturally encourage the deployment of distributed services. implement group communication methods, they do not support the needs of a mobile node that m distributed servers. A node should not need detailed knowledge of network topology to choose ser communicate efficiently.To this end, manycast is a group communication scheme that enables com (user specified) n ...

**Keywords:** ad hoc routing, manycast, service location

**73** <u>Securing information: A practical approach to solve Secure Multi-party Computation problem</u>
Wenliang Du, Zhijun Zhan
September 2002 **Proceedings of the 2002 workshop on New security paradigms**

Full text available: pdf(859.65 KB)               Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

Secure Multi-party Computation (SMC) problems deal with the following situation: Two (or many)
a computation. Each party needs to contribute its private input to this computation, but no party s
inputs to the other parties, or to any third party. With the proliferation of the Internet, SMC proble
important. So far no practical solution has emerged, largely because SMC studies have been focus

**Keywords**: privacy, secure multi-party computation, security

**74** <u>Practical network support for IP traceback</u>
Stefan Savage, David Wetherall, Anna Karlin, Tom Anderson
August 2000   **ACM SIGCOMM Computer Communication Review , Proceedings of the confere
Technologies, Architectures, and Protocols for Computer Communication**, Volum

Full text available: pdf(167.15 KB)               Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

This paper describes a technique for tracing anonymous packet flooding attacks in the Internet bac
work is motivated by the increased frequency and sophistication of denial-of-service attacks and b
packets with incorrect, or ` `spoofed", source addresses. In this paper we describe a general purpo
based on probabilistic packet marking in the network. Our approach allows a victim to identify the

**75** <u>The feasibility of supporting large-scale live streaming applications with dynamic application</u>
Kunwadee Sripanidkulchai, Aditya Ganjam, Bruce Maggs, Hui Zhang
August 2004   **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 co
technologies, architectures, and protocols for computer communications**, Volum

Full text available: pdf(461.96 KB)               Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

While application end-point architectures have proven to be viable solutions for large-scale distribu
distributed computing and file-sharing, there is little known about its feasibility for more bandwidth
as live streaming. Heterogeneity in bandwidth resources and dynamic group membership, inherent
end-points, may adversely affect the construction of a usable and efficient overlay. At large scales,

**Keywords**: application-level multicast, live streaming, overlay multicast, peer-to-peer

**76** <u>Mining from open answers in questionnaire data</u>
Hang Li, Kenji Yamanishi
August 2001   **Proceedings of the seventh ACM SIGKDD international conference on Knowled
mining**

Full text available: pdf(643.01 KB)               Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

Surveys are an important part of marketing and customer relationship management, and open ans
questions) in particular may contain valuable information and provide an important basis for makin
have developed a text mining system that provides a new way for analyzing open answers in ques
able to perform the following two functions: (A) accurate extraction of characteristics for individua
accura ...

**Keywords**: Association Rules, Classification Rules, Correspondence Analysis, Open Question, Ques
Mining

**77**
<u>WEBKDD 2002: Web mining for usage patterns & profiles</u>

Brij M. Masand, Myra Spiliopoulou, Jaideep Srivastava, Osmar R. Zaiane
December 2002 **ACM SIGKDD Explorations Newsletter**, Volume 4 Issue 2
Full text available: pdf(40.59 KB)                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

In this paper, we provide a summary of the WEBKDD 2002 workshop, whose theme was 'Web Min Profiles'. This workshop was held in conjunction with the ACM SIGKDD International Conference on Data Mining (KDD-2002).

**Keywords:** Web mining, click-stream analysis, personalization, profiling, usage patterns

**78** <u>User Studies: Predicting category accesses for a user in a structured information space</u>
Mao Chen, Andrea S. LaPaugh, Jaswinder Pal Singh
August 2002     **Proceedings of the 25th annual international ACM SIGIR conference on Resea information retrieval**
Full text available: pdf(255.88 KB)                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

In a categorized information space, predicting users' information needs at the category level can fa caching and other topic-oriented services. This paper presents a two-phase model to predict the ca based on previous accesses. Phase 1 generates a snapshot of a user's preferences among categori frequency analysis of the user's access history. Phase 2 uses the computed preferences to make p

**Keywords:** Markov model, access history, category access, category structure, prediction, tempor

**79** <u>Customising WAP-based information services on mobile networks</u>
Wei-Po Lee, Cheng-Che Lu
December 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 6
Full text available: pdf(527.85 KB)                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

In addition to voice transmission over mobile networks, the demand of data communication has be data-oriented applications for mobile terminals, the wireless application protocol (WAP) has provid However, as in the World Wide Web (WWW), the increasing information leads to the problem of in to overcome such a problem is to build intelligent recommender systems to provide customised inf analyzing the in ...

**Keywords:** Customisation, Machine learning, Mobile information services, Software agents, WAP d

**80** <u>Conceptual modeling and metadata: Using ontologies in personalized mobile applications</u>
Norbert Weißenberg, Agnès Voisard, Rüdiger Gartmann
November 2004 **Proceedings of the 12th annual ACM international workshop on Geographic in**
Full text available: pdf(591.69 KB)                    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index term</u>

Mobile devices such as personal digital assistants (PDAs) and mobile phones are in widespread use converging to mobile smart phones. They enable the users to access a wide range of services and them through their actual demands. Especially during mass events like the Olympic Games 2008 in the context of our work - a large service space is expected to support all mobile visitors, being ath spectat ...

**Keywords:** context, inference, mobile application, ontology, service, situation, user profile

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**1 'Where have all the trainers gone?' E-learning strategies and tools in the corporate training environment**
Rabelani Dagada, Maria Jakovljevic
October 2004 **Proceedings of the 2004 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries**
Full text available: 📄 pdf(65.09 KB)      Additional Information: full citation, abstract, references, index terms

Online learning (also known as e-learning) will ultimately become the new training paradigm, taking its place alongside traditional contact situation training and changing the face of training generally. A number of trends, which include technological developments and the growth of the Internet, have accelerated the move to e-learning in educational institutions and the corporate world. Technology and the Internet facilitate a more active role in the training process. There is a gap in the li ...

**Keywords:** corporate training environment, management, measurement, online learning, online learning strategies, online tools

**2 Extending e-books with annotation, online support and assessment mechanisms to increase efficiency of learning**
Chin-Yeh Wang, Gwo-Dong Chen
June 2004 **ACM SIGCSE Bulletin , Proceedings of the 9th annual SIGCSE conference on Innovation and technology in computer science education**, Volume 36 Issue 3
Full text available: 📄 pdf(265.38 KB)      Additional Information: full citation, abstract, references, index terms

The Internet and web environment allow readers to read online many multimedia books. Readers can annotate, collaborate, and discuss content using efficient reading functions. Reading is migrating from printed books to e-books. This study designs an online reading environment with a wide range of support to increase students' learning performance. Online knowledge and human resources are used to answer directly students' queries. Students' annotating behaviors are analyzed as to help them underst ...

**Keywords:** annotation, e-book reading, learning support network, mark, performance prediction

**3** <u>Social navigation: "Ask before you search": peer support and community building with</u> <u>reachout</u>
Amnon Ribak, Michal Jacovi, Vladimir Soroka
November 2002 **Proceedings of the 2002 ACM conference on Computer supported cooperative work**
Full text available: pdf(316.04 KB)    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper presents ReachOut, a chat-based tool for peer support, collaboration, and community building. We describe the philosophy behind the tool and explain how posting questions in the open directly benefits the creation, distribution, and use of organizational knowledge, in addition to enhancing the cohesion of the community involved. ReachOut proposes new methods of handling problems that include locating, selecting, and approaching the right set of potential advisers. We discuss the advan ...

**Keywords**: community building, expertise location, instant messaging, organizational knowledge, peer support

**4** <u>Business components: a case study of bankers trust Australia limited</u>
Greg Baster, Prabhudev Konana, Judy E. Scott
May 2001 **Communications of the ACM**, Volume 44 Issue 5
Full text available: pdf(113.16 KB)
html(34.56 KB)    Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

**5** <u>Knowledge sharing in software engineering: Group awareness in distributed software</u> <u>development</u>
Carl Gutwin, Reagan Penner, Kevin Schneider
November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work**
Full text available: pdf(365.27 KB)    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Open-source software development projects are almost always collaborative and distributed. Despite the difficulties imposed by distance, these projects have managed to produce large, complex, and successful systems. However, there is still little known about how open-source teams manage their collaboration. In this paper we look at one aspect of this issue: how distributed developers maintain group awareness. We interviewed developers, read project communication, and looked at project artifac ...

**Keywords**: OSS, collaborative software development, group awareness

**6** <u>Knowledge and representation: Convergence of knowledge management and E-</u> <u>learning: the GetSmart experience</u>
Byron Marshall, Yiwen Zhang, Hsinchun Chen, Ann Lally, Rao Shen, Edward Fox, Lillian N. Cassel
May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**
Full text available: pdf(949.60 KB)    Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The National Science Digital Library (NSDL), launched in December 2002, is emerging as a center of innovation in digital libraries as applied to education. As a part of this extensive project, the GetSmart system was created to apply knowledge management techniques in a learning environment. The design of the system is based on an analysis of learning theory and the information search process. Its key notion is the integration of search tools and curriculum support with concept mapping. More tha ...

**7** Text classification: Parameterized generation of labeled datasets for text categorization based on a hierarchical directory

Dmitry Davidov, Evgeniy Gabrilovich, Shaul Markovitch
July 2004   **Proceedings of the 27th annual international conference on Research and development in information retrieval**
Full text available: pdf(164.60 KB)     Additional Information: full citation, abstract, references, citings, index terms

Although text categorization is a burgeoning area of IR research, readily available test collections in this field are surprisingly scarce. We describe a methodology and system (named ACCIO) for *automatically* acquiring labeled datasets for text categorization from the World Wide Web, by capitalizing on the body of knowledge encoded in the structure of existing hierarchical directories such as the Open Directory. We define *parameters* of categories that make it possible to acquire nu ...

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Relevance

**1** 'Where have all the trainers gone?' E-learning strategies and tools in the corporate training environment
Rabelani Dagada, Maria Jakovljevic
October 2004 **Proceedings of the 2004 annual research conference of the South African instit computer scientists and information technologists on IT research in developing countries**
Full text available: 🗎 pdf(65.09 KB)          Additional Information: full citation, abstract, references, index terms

Online learning (also known as e-learning) will ultimately become the new training paradigm, takin alongside traditional contact situation training and changing the face of training generally. A numb trends, which include technological developments and the growth of the Internet, have accelerated to e-learning in educational institutions and the corporate world. Technology and the Internet facil more active role in the training process. There is a gap in the li ...

**Keywords**: corporate training environment, management, measurement, online learning, online l strategies, online tools

**2** Extending e-books with annotation, online support and assessment mechanisms to increase efficiency of learning
Chin-Yeh Wang, Gwo-Dong Chen
June 2004 **ACM SIGCSE Bulletin , Proceedings of the 9th annual SIGCSE conference on Inn and technology in computer science education**, Volume 36 Issue 3
Full text available: 🗎 pdf(265.38 KB)          Additional Information: full citation, abstract, references, index terms

The Internet and web environment allow readers to read online many multimedia books. Readers c annotate, collaborate, and discuss content using efficient reading functions. Reading is migrating f printed books to e-books. This study designs an online reading environment with a wide range of s increase students' learning performance. Online knowledge and human resources are used to answ directly students' queries. Students' annotating behaviors are analyzed as to help them underst ...

**Keywords**: annotation, e-book reading, learning support network, mark, performance prediction

**3** Workshop and conference summaries: 4th ICSE workshop on component-based software engineering: component certification and system prediction
Ivica Crnkovic, Heinz Schmidt, Judith Stafford, Kurt Wallnau
November 2001

4/7/05

**ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 6

Full text available: 📄 pdf(1.06 MB)          Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

This paper gives a short overview of the 4th ICSE Workshop on Component-based Software Engine
The workshop brought together researchers and practitioners from three communities: component
technology, software architecture, and software certification. The goal of the workshop was to find
common understanding and to discuss the topics related to the component composition. The works
divided in eight sessions held in sequence, starting with invited talks and ended with a final discus

**4**  Social navigation: "Ask before you search": peer support and community building with reach
Amnon Ribak, Michal Jacovi, Vladimir Soroka
November 2002 **Proceedings of the 2002 ACM conference on Computer supported cooperative**

Full text available: 📄 pdf(316.04 KB)          Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper presents ReachOut, a chat-based tool for peer support, collaboration, and community b
We describe the philosophy behind the tool and explain how posting questions in the open directly
the creation, distribution, and use of organizational knowledge, in addition to enhancing the cohes
community involved. ReachOut proposes new methods of handling problems that include locating,
and approaching the right set of potential advisers. We discuss the advan ...

**Keywords**: community building, expertise location, instant messaging, organizational knowledge,
support

**5**  Business components: a case study of bankers trust Australia limited
Greg Baster, Prabhudev Konana, Judy E. Scott
May 2001   **Communications of the ACM**, Volume 44 Issue 5

Full text available: 📄 pdf(113.16 KB) 📄          Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>
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**6**  Cooking with Linux: the customer is always served
Marcel Gagné
February 2004 **Linux Journal**, Volume 2004 Issue 118

Full text available: 📄 html(18.38 KB)          Additional Information: <u>full citation</u>

**7**  Knowledge sharing in software engineering: Group awareness in distributed software develc
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**8**  Netwinder Office Server
Jason Kroll
March 2000 **Linux Journal**

Full text available: 🔧 html(20.27 KB)          Additional Information: full citation, index terms

**9** <u>Knowledge and representation: Convergence of knowledge management and E-learning: the GetSmart experience</u>
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**10** <u>Student tracking and personalization: Visualising student tracking data to support instructors based distance education</u>
Riccardo Mazza, Vania Dimitrova
May 2004    **Proceedings of the 13th international World Wide Web conference on Alternate papers & posters**
Full text available: 📄 pdf(340.17 KB)          Additional Information: full citation, abstract, references, index terms

> This paper presents a novel approach of using web log data generated by course management sys (CMS) to help instructors become aware of what is happening in distance learning classes. Specific techniques from Information Visualization are used to graphically render complex, multidimensiona tracking data collected by CMS. A system, called CourseVis, illustrates the proposed approach. Gra representations from the use of CourseVis to visualise data from a java on-line distan ...
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> **Keywords**: Web-based distance education, information visualization, student tracking

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